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(54) CHIP COMPRESSION DEVICE

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(57) Abstract:

PROBLEM TO BE SOLVED: To provide a chip compression device capable of compressing and solidifying metal chips, etc., into a block which is smaller and more easily handled than a conventional one, miniaturizing an entire device, and realizing a structure to be easily manufactured.

SOLUTION: A compression chamber 12 is formed in a rectangular section by assembling a rail plate of a recessed section with a lid plate 11, and a compression rod 8 is also formed in a rectangular section to compress and solidify a stuff to be compressed such as metal chips in small rectangular blocks. A projecting guide part 16 is provided on a side surface of the compression rod 8, and a guide groove 15 for slidably guiding the projecting guide part 16 is made in the lid plate 11. A screw conveyor 18 is connected to an opening part 14 in the rail plate 10 so that the axis thereof forms an angle of $\leq 45^\circ$ to the axis of the compression chamber 12 in the same horizontal plane.

